Claims

1. Method for clustering a plurality of users (1) in a mobile
network, wherein each user (1) is assigned a specific profile
(2) containing data about said user and at least one
constraint, direct data interchange taking place between at
least two users (1) as soon as they are in a specified
communication zone (3) in order to find users (1) with
profiles (2) of a specified content, taking the constraints
into account, in the specified communication zone (3).

2. Method according to claim 1,
characterized in that the communication zone (3) is defined by
forming at least one user cluster (4a,4b,4c) having an
initiator user (5) and a plurality of users (1) in each case.

3. Method according to claim 2,
characterized in that a user cluster (4a,4b,4c) has an extent
that is equal to or greater than the communication range (6)
of an individual user (1).

4. Method according to claim 2 or 3,
characterized in that, at the instigation of the initiator
user (5), a communication topology is formed within each
cluster (4a,4b,4c).

5. Method according to claim 4,
characterized in that the communication topology is formed as
a tree or ring structure.

6. Method according to one of claims 2 to 5,

characterized in that the communication path (7) is via a defined maximum number of users (1) in accordance with the defined communication topology.

7. Method according to one of claims 2 to 6, characterized in that each user (1) is assigned to a single cluster (4a,4b,4c).

8. Method according to claim 7,
characterized in that each user (1) decides autonomously which cluster (4a,4b,4c) he belongs to.

9. Method according to one of claims 2 to 8,
characterized in that the user cluster (4a,4b,4c) is redefined if another user (1) not hitherto belonging to the cluster (4a,4b,4c) is identified within the particular communication zone (3).

10. Method according to one of the preceding claims, characterized in that the checking of profiles (2) of a specified content includes analyzing the profiles of at least two users (1) for similarity or identicalness.

11. Method according to one of the preceding claims, characterized in that each user (1) defines, in addition to his profile, the at least one constraint which is taken into account as part of the analysis.

12. Method according to one of the preceding claims, characterized in that the profile groups of each user (1) within a cluster (4a,4b,4c) are exchanged between the users for analysis.

13. Method according to claim 12,

characterized in that data is exchanged between two users (1) in each case.

14. Method according to claim 12 on 13, characterized in that data is exchanged using the communication topology determined.

15. Method according to one of claims 11 to 14, characterized in that the profile groups are analyzed by each user (1).

16. Method according to one of the preceding claims, characterized in that communication between the users (1) takes place without the interposition of a central switching entity.

17. Method according to one of the preceding claims, characterized in that a user (1) is made aware of the other users with profiles of the specified content.

18. Device for clustering a plurality of users (1) in mobile networks, wherein each user (1) is assigned a specific profile (2) containing profile data and at least one constraint, data exchange taking place between at least two users (1) as soon as they are in a specified communication zone (3) in order to find users (1) with profiles (2) of a specified content, taking the constraints into account, in the specified communication zone (3).

19. Device according to claim 18, characterized in that it has an interface for wireless data transfer.

20. Device according to claim 18 or 19,

characterized in that data is exchanged directly between two users (1) each case.

21. Device according to one of claims 18 to 20, characterized in that it is a mobile telecommunication terminal, a pocket PC, a portable computer or a means of transportation.

22. Device according to one of claims 18 to 21, characterized in that it has a computing unit for comparing its own profile or profile group with the profile or profile group of another user.

23. Device according to claim 18 which has a computer program that can be run on a computer.

24. Device according to claim 23, characterized in that the computer program is stored on a computer-readable data media.

25. Device according to claim 18 with program coding means stored on a machine-readable media.